











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
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Storing and using objects in a relational database

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In today's heterogeneous development environments, application programmers have the responsibility those data in different types of stores. That means relational data will be stored in RDBMSs (relational OODBMSs (object-oriented database management systems), SOM (System Object Model) objects in O₂ and OpenDoc™ or OLE™ (Object Linking and Embedding) compound documents in document files. In a multiple server systems with different query languages as well as large amounts of heterogeneous data (resident cache), an RDBMS extender that provides the ability to store objects created in external type s coresident with existing relational or other heterogeneous data. Using SMRC, applications can store and language), and invoke methods on the objects, without requiring any modifications to the original object participate in all the characteristic features of the underlying relational database, e.g., transactions, batop of IBM's DB2® Common Server for AIX® relational database system and heavily exploits the DB2 i (UDFs), and large objects (LOBs) technology. In this paper, the C++ type system is used as a sample approach, i.e., storing C++ objects in relational databases. Similar efforts are required for SOM or OLE